3.17.

OK

	Depth 6	Contents 7	Reference to last Measurement 8
			Total Rs: 2968,539-00
			ST 29685-00
			VAT - 118742-00
			Cess - 29685-00
			CST - 29685-00
			LR - 44528-00
			Add S: 225609-00
			Chgs: 27.42,930-00

SBRNO: 37/03-18 JOBCODE: 009-17-000027

First & Final Bill

M. A. R. 57 (Rule 116) No. C/08

Measurement Book

Est. 20.00 lakhs

Head of Account: P1771 126445

Serial No. ....

Name of work Desilting of drains and filling of pot holes in Thindlu Virupakshapura, HMT Layout BEL Layout, surrounding Areas in Ward no: 9 Vidhyaranyapura sub division From ..... To .....

Name of Contractor of nature of Agency Sri. Venugopal Reddy. B.

Date of commencement of work BBMP/EE/BTP/WO/70/2017-18, Date: 12.2.2018.

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
①	Earth work Ex cavation by manual means in ordinary soil involving soil involving an average horizontal throw upto 2 m and an average lift upto 0.5m excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of colds complete as per specifications complete as per specification Desilting of drains This Qty is recorded in premeasurements in this MB, Vide page no: 126496 to 126498. as 3181.79 m³ @ rate Rs 180.00/m³					572722-	
②	Providing and Laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregate @ 0.85 m³ and fine aggregates @ 0.57 m³ machine mixed machine mixed concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	laid in layers not exceeding 15 cms Thick well compacted in foundation including cost of all materials labour Hom of machinery, curing complete as per specification						
	Infront of library Building	1×1	25.20	5.60	0.15	21.168 ~~20.63~~	m^3
	For Fixing of poles	~~8~~×1	0.60	0.60	0.15	0.432	m^3
						21.60	m^3
	∴ This Qty is limited to as per schedule 'B' Rate 4730.00/m^3					Qty as	21.17 m^3 @ Rs 100134-
2)	Providing and Laying in position plain Cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 m3 and fine aggregates @ 0.459 m^3 machine mixed concrete laid in layers not exceeding 15 cms Thick well compacted in foundation plinth and cills including cost of all materials labour Hom of machinary curing complete as per specifications.						

K

Depth 6	Contents 7	Reference to last Measurement 8
	ell compacted in foundation of machinery, curing complete	
	21.168	
0.15	20.63	m^3
0.15	0.432	m^3
	21.60	m^3
	Qty as	21.17 m^3 @
edule 'B'		
	- . Rs 100134-	
Cement concrete of mix 1:2:4		
on size graded granite metal coarse		
tes @ 0.459 m^3 machine mixed		
ms thick well compacted in foundation		
erials labour Hom of machinary		

M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

126446

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Infront of Library Elge	1x1	25.20	5.60	0.15	21.168	m^3
	For Fixing poles	8x1	0.60	0.60	0.45	1.296	m^3
					Total	22.464	m^3
	Qty is limited to as per schedule 'B' Qty as 22.25 m^3 @ Rate Rs 5276.00 /m^3					Rs 117391-	
	③ Supplying and fixing MS Rectangular poles made out of 2 Equal angle of 65x65x6 mm welded together and fixed in CC (1:2:4) with 2 Nos 16mm dia M.S hold fast rods each of length 25 cms including cost of all materials cutting, bending scaffolding wherever necessary nicely finishing Ltr						

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Welded Joints with all lead lift and as per technical direction of Engineer in charge of the work						
	Vertical pole	8×1	6.25	–	–	50.00	
					Total:	50.00 M	Rs 39700-
4	Providing and fixing MS Block pipe of 38 mm ϕ of heavy gauge of 14 including removing the bends cutting the pipe and fixing pipe in between the existing two Verticle pole (MS rectangular poles) and spot welding the chain link with MS block pipe including cost of all materials Wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the Engineer incharge of Work etc, complete including two coats of approved Quality paint over one coat of shop paint						
	Horizontal	4×1	25.0	–	–	100.00	
		8×1	7.50	–	–	60.00	
					Total	160.00	Rs 50112-
(5)	Providing Trapezoidal profiled sheet providing and Installing of roe						

Serial No. .....
Name of work .....
Name of Contracto
Date of commence

Date	Full descrip
1	
	Painted
width (100
clc wit
of the shee
as ASTM 13
Sheet and
of 25mm
Drain co
	∴ This
Rs 7

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Depth 6	Contents 7	Reference to last Measurement 8
	per technical direction of Engineer in	
–	50.00	
Total:	50.00	M Rs 39700-
	38 mm ϕ of heavy gauge of	
	pipe and fixing pipe in between	
	es) and spot welding the chain link	
	ls Wastage in cutting and scaffolding	
	ected by the Engineer in charge of	
	ied Quality paint over one coat of	
–	100.00	
–	60.00	
Total	160.00	Rs 50112-
	oviding and Installing of Toe	

M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

126447

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Painted Galvolume Iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width) 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening the total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance zinc Alu Alloy coating AZ150 gsm as Astm 1397/A755-550 mpa steel grade 5.7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25mm length to be fixed over the existing purlins, rafters, channels and Trusses						
	Drain covering slab	1X1	25.20	–	6.00	151.20	
						151.20	m^2
	∴ This Qty is limited to as per Schedule 'B' Qty as 150.00 m^2 @ Rate Rs 786.00/m^2						Rs 117900-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	Providing precast slabs of 100mm thick including cost of all materials labour, curing, transportation loading unloading etc, complete as per the direction of engineer in charge						
	For Covering slabs						
	at Kathriguppe Layout	100×1	0.90	0.60	—	54.00	m^2
	at Gayathrigiri Layout	10×1	0.90	0.60	—	5.40	-"-
	at BEL Layout	75×1	0.90	0.60	—	40.50	-"-
	at Thindlu	50×1	0.90	0.60	—	27.00	-"-
	at Basavasamithi Layout	15×1	0.90	0.60	—	8.10	-"-
					Total	135.00	m^2
							Rs 220725-
(6)	Wet mix Macadam providing, laying, spreading and compacting crushed stone aggregate of granite/trap/basalt to wet mix Macadam specifications including the mixing the material with water at OMC						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Serial No. ....
Name of work
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Date of comm

Date	Full de
1	
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...ith	Depth 6	Contents 7	Reference to last Measurement 8
including cost of all materials ...ading etc, complete as per the			
	–	54.00	m^2
	–	5.40	-"-
	–	40.50	-"-
	–	27.00	-"-
	–	8.10	-"-
	Total	135.00	m^2
			Rs 220725-
...& spreading and compacting ...bap/ basalt to wet mix Macadam ...material with water at OMC			

M. A. R. 57 (Rule 116)
Measurement Book

No. C/08

Serial No. .....

126448

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	in Mechanical mix plant carriage of mixed material tipped to site laying laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with Vibratory roller to achieve the desired density complete as per specifications MORTH specification No 406						
		5×1	3.50	2.60	0.15	6.83	m^3
		10×1	2.5	2.80	0.15	10.50	-"-
	Canarabank Lyt	3×1	5.0	2.50	0.15	5.63	-"-
		5×1	4.20	3.50	0.15	11.03	-"-
		3×1	2.50	1.80	0.15	2.03	-"-
		4×1	2.40	2.50	0.15	3.60	-"-
		5×1	2.80	2.0	0.15	4.20	-"-

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
including cost of all materials loading etc, complete as per the			
	–	54.00	m^2
	–	5.40	-"-
	–	40.50	-"-
	–	27.00	-"-
	–	8.10	-"-
	Total	135.00	m^2
			Rs 220725-
& spreading and compacting			
bapl basalt to wet mix Macadam			
material with water at OMC			

M. A. R. 57 (Rule 116)
Measurement Book

No. C/08

Serial No. .....

126448

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	In Mechanical mix plant carriage of mixed material tipped to site laying laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with Vibratory roller to achieve the desired density complete as per specifications MORTH specification No 406						
		5×1	3.50	2.60	0.15	6.83	m^3
		10×1	2.5	2.80	0.15	10.50	-"-
	Canarabank Lyt	3×1	5.0	2.50	0.15	5.63	-"-
		5×1	4.20	3.50	0.15	11.03	-"-
		3×1	2.50	1.80	0.15	2.03	-"-
		4×1	2.40	2.50	0.15	3.60	-"-
		5×1	2.80	2.0	0.15	4.20	-"-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2×1	3.00	1.80	0.15	1.62	m3
		5×1	3.50	2.00	0.15	5.25	-11-
		6×1	3.80	2.20	0.15	7.52	-11-
	Ananda layout	2×1	3.50	1.80	0.15	1.89	-11-
		3×1	4.90	1.60	0.15	3.53	-11-
		2×1	2.00	1.20	0.15	0.72	-11-
		5×1	2.50	1.50	0.15	2.81	-11-
		2×1	3.20	1.60	0.15	1.54	-11-
		6×1	2.60	0.90	0.15	2.11	-11-
		2×1	2.10	1.40	0.15	0.88	-11-
	Siddivinayaka layout	2×1	5.00	2.50	0.15	3.75	-11-
		3×1	2.20	1.80	0.15	1.78	-11-
		4×1	2.70	1.50	0.15	2.43	-11-
		5×1	1.90	2.50	0.15	3.56	-11-
		6×1	5.00	3.00	0.15	13.50	-11-

Depth 6	Contents 7	Reference to last Measurement 8
0.15	1.62	m3
0.15	5.25	-11-
0.15	7.52	-11-
0.15	1.89	-11-
0.15	2.53	-11-
0.15	0.72	-11-
0.15	2.81	-11-
0.15	1.54	-11-
0.15	2.11	-11-
0.15	0.88	-11-
0.15	3.75	-11-
0.15	1.78	-11-
0.15	2.43	-11-
0.15	3.56	-11-
0.15	13.50	-11-

M. A. R. 57 (Rule 116)
Measurement Book

No. C/08

126449

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	6th BLK HMT Layout	2x1	2.60	3.40	0.15	2.65	m3
		3x1	5.20	2.30	0.15	8.97	-11-
		5x1	2.50	1.00	0.15	1.88	-11-
		6x1	2.80	1.20	0.15	3.02	-11-
		7x1	1.90	2.40	0.15	4.79	-11-
	6th BLK BEL Layout	2x1	1.80	1.30	0.15	0.70	-11-
		8x1	2.40	2.80	0.15	8.06	-11-
		3x1	1.90	2.50	0.15	2.14	-11-
		5x1	2.50	3.00	0.15	5.63	-11-
		2x1	2.40	2.00	0.15	1.44	-11-
		6x1	4.70	2.50	0.15	10.58	-11-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2×1	7.00	2.50	0.15	5.25	m^3
		4×1	2.00	1.20	0.15	1.44	-"-
		2×1	2.80	2.00	0.15	1.68	-"-
		6×1	2.80	1.50	0.15	3.78	-"-
		4×1	1.50	2.00	0.15	1.80	-"-
		5×1	2.80	1.00	0.15	2.10	-"-
		6×1	2.70	1.60	0.15	3.89	-"-
		5×1	2.70	2.10	0.15	4.25	-"-
		4×1	3.10	2.00	0.15	3.60	-"-
		2×1	3.10	3.20	0.15	2.98	-"-
					Total:	178.34	m^3

Thindhe AEE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

∴ This Qty is limited to as per Schedule 'B' Qty as 177.31 m^3

@ Rate Rs 1640.00/m^3 Rs 290788/-

Serial No. .....
Name of work .....
Name of Contractor of n
Date of commencement

Date	Full description, e
1	2
(7)	Filling for Removal of to provide cost on the back filling compaction continuous MORTH spe

Depth 6	Contents 7	Reference to last Measurement 8
0.15	5.25	m³
0.15	1.44	-"-
0.15	1.68	-"-
0.15	3.78	-"-
0.15	1.80	-"-
0.15	2.10	-"-
0.15	3.89	-"-
0.15	4.25	-"-
0.15	3.60	-"-
0.15	2.98	-"-
Total:	179.34	m³

Schedule 'B' Qty as 177.31 m³

Rs 290788/

M. A. R. 57 (Rule 116)
Measurement Book

No. C/08

126450

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(7)	Filling pot holes and patch repairs with Bituminous Concrete 40mm Removal of all failed material trimming of completed excavation to provide form Vertical faces cleaning of surfaces painting of tack coat on the sides and base of excavation as per clause 500.3 back filling the pothole with bituminous material as per clause 500.4 compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH specifications						
		5x1	3.50	2.60	-	45.50	m²
		10x1	2.50	2.80	-	70.00	-"-
		3x1	5.00	2.50		37.50	-"-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		5×1	4.20	3.50	–	73.50	m^2
		3×1	2.50	1.80	–	13.50	-11-
		4×1	2.40	2.50	–	24.00	-11-
		5×1	2.80	2.00	–	28.00	-11-
		2×1	3.00	1.80	–	10.80	-11-
		5×1	3.50	2.0	–	35.00	-11-
		6×1	3.80	2.20	–	50.16	-11-
		2×1	3.50	1.80	–	12.60	-11-
		3×1	4.90	1.60	–	23.52	-11-
		2×1	2.00	1.20	–	4.80	-11-
		5×1	2.50	1.50	–	18.75	-11-
		2×1	3.20	1.60	–	10.24	-11-
		6×1	2.60	0.90	–	14.04	-11-
		2×1	2.10	1.40	–	5.88	-11-
		2×1	5.00	2.50	–	25.00	-11-

K

Depth 6	Contents 7	Reference to last Measurement 8
–	73.50	m^2
–	13.50	-11-
–	24.00	-11-
–	28.00	-11-
–	10.80	-11-
–	35.00	-11-
–	50.16	-11-
–	12.60	-11-
–	23.52	-11-
–	4.80	-11-
–	18.75	-11-
–	10.24	-11-
–	14.04	-11-
–	5.88	-11-
–	25.00	-11-

M. A. R. 57 (Rule 116)
Measurement Book

No. C/08

126451

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		8 x 1	2.20	1.80	–	11.88	m^2
		4 x 1	2.70	1.50	–	16.20	-11-
		5 x 1	1.90	2.50	–	23.75	-11-
		6 x 1	5.00	3.00	–	90.00	-11-
		2 x 1	2.60	3.40	–	17.68	-11-
		5 x 1	5.20	2.30	–	59.80	-11-
		5 x 1	2.50	1.00	–	12.50	-11-
		6 x 1	2.80	1.20	–	20.16	-11-
		7 x 1	1.90	2.40	–	31.92	-11-
		2 x 1	1.80	1.30	–	4.68	-11-
		8 x 1	2.40	2.80	–	53.76	-11-
		3 x 1	1.90	2.50	–	14.25	-11-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		5×1	2.50	3.00	–	37.50	m^2
		2×1	2.40	2.00	–	9.600	" –
		3×1	4.70	2.50	–	70.50	" –
		2×1	7.00	2.50	–	35.00	" –
		4×1	2.00	1.20	–	9.60	" –
		2×1	2.80	2.00	–	11.20	" –
		5×1	2.90	1.80	–	26.10	" –
		4×1	1.80	2.20	–	15.84	" –
		2×1	2.40	2.00	–	9.60	" –
					Total:	1084.31	m^2
	∴ This Qty is limited to as per schedule 'G' Qty as					1074.71	m^2
	@ Rate Rs 272.50/m^2					Rs	292858/-

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

28/07/2018

Verified
07/08

OK

	Depth 6	Contents 7	Reference to last Measurement 8
	–	37.50	m^2
	–	9.600	〃
	–	70.50	〃
	–	35.00	〃
	–	9.60	〃
	–	11.20	〃
	–	26.10	〃
	–	15.84	〃
	–	9.60	〃
Total:		1084.31	m^2
edule 'C'	Qty as	1074.71	m^2
	Rs	292858/-	

M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

126452

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		ABSTRACT STATEMENT					
SL NO	Particulars	Unit	From	TO	Qty	Rate	Amount
1)	Earth Work Excavation	m^3	–	–	3181.79	180.00	572722=00
2)	PCC 1:4:8	m^3	–	–	21.17	4730.00	100134.00
3)	PCC 1:2:4	m^3	–	–	22.25	5276.0	117391=00
4)	MS Rectangular Poles	~~Nos~~ m			50.00	794.00	39700=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	MS Block pipe	m	–	–	160.00	313.20	50112.00
6)	Trapezoidal Profiled sheet	m^2	–	–	150.00	786.00	117900 =00
7)	Pre cast slab of 100 mm Thick	m^2	–	–	135.00	1635	220725 =00
8)	W mm	m^3	–	–	177.31	1640.00	290788.00
9)	Pot hole fillings	m^2	–	–	1074.71	272.50	292858 :00
						Total:	18,02330=00
	(∴ Rupees eighteen ~~thousand~~ lakhs two ~~hundred~~ thousand Three hundred thirty only.)						

Serial No. .....
Name of work ...
Name of Contrac
Date of commen

Date	Full descr
1	Certificate
①	certif
②	the co
③	No ma

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	160.00	313.20	50112.00
	150.00	786.00	117900 =00
	135.00	1635	220725 =00
	177.31	1640.00	290788.00
	1074.71	272.50	292858 =00
		Total:	18,02330=00

f two hundred thousand

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M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

126453

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	Certificates 2	3	4	5	6	7	8
	① certified that the contractor has done the work satisfactorily ~~done~~						
	② the contractor has remove the debris from the work spot						
	③ No materials issued from Departmentally						
	AE 28/07/2018.						
	Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 18,02,330-೦						
	ಗುತ್ತಿಗೆದಾರರು ಮಾಡಿದ ಇದರಲ್ಲಿ ರೂ 60,349-೦						
	ಹೊರಮಾಡಿ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1741,981-೦						
	Rs Seventeen Lakh, forty one Hund						
	nine Hunded eighty one only.						
	ಚೆಕ್ಕಾಧೀಕ್ಷಕರು 7/08						
	ಹೆ. ಮ. ಪು. 7/8.						

Total Rs: 18,02,330-೦

IT -	18023-೦
Cess -	18023-೦
CBF -	1802-೦
LR -	19826-೦
Fine -	2675-೦

Abstr. 60349-೦

Charges: 1741,981-೦

Serial No. .....
Name of work ...
Name of Contrac
Date of commen

Date	Full descr
1	